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## Nomenclatural notes on the genus group names of the order *Acarina*

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**Abstract:** Nomenclatural notes on the genus-group names of the order Acarina. *Cent. ent. Stud., Misc. Pap.* 145: 1-6.

These nomenclatural notes deal with the homonymy of 15 genus-group names of the 13 Acari families, *Ascidae*, *Diarthrophallidae*, *Diptilomiopidae*, *Eriophyidae*, *Halacaridae*, *Holothyridae*, *Phytoptidae*, *Syringobiidae*, *Tarsonemidae*, *Tetranychidae*, *Walchiidae*, *Xenocaligonellidae*, and *Zerconidae*. The proposed replacement names are: *Kandilia* **nom. nov.** (subgenus), *Africola* **nom. nov.**, *Taiwanocesa* **nom. nov.**, *Eriophycesa* **nom. nov.**, *Thaicesa* **nom. nov.**, *Makarovana* **nom. nov.**, *Acaricesa* **nom. nov.**, *Orienticesa* **nom. nov.**, *Dabertina* **nom. nov.**, *Arizonia* **nom. nov.**, *Augeriflechtmanina* **nom. nov.**, *Suzukicesa* **nom. nov.** (subgenus), *Indonesia* **nom. nov.**, *Henzua* **nom. nov.**, and *Blaszakia* **nom. nov.** Necessary combinations are proposed as follows: *Neojordensia* (*Kandilia*) *asetosa* Kandil, 1979 (**comb.n.**); *Africola clypeolus* (Schuster & Summers, 1978) (**comb.n.**); *Africola amnoni* (Haitlinger, 2001) (**comb.n.**) [Cameroon]; *Africola asperatus* Schuster & Summers, 1978 (**comb.n.**) [Africa]; *Taiwanocesa lanyuensis* (Huang, 2001) (**comb.n.**) [Taiwan]; *Eriophycesa yubima* (Huang, 1996) (**comb.n.**); *Thaicesa eugeniae* (Boczek, 1996) (**comb.n.**) [Thailand]; *Makarovana hirsutus* (Makarova, 1978) (**comb.n.**) [Russia]; *Acaricesa longipes* (Thorell 1882) (**comb.n.**) [Papua New Guinea]; *Acaricesa mendi* (Lehtinen, 1995) (**comb.n.**) [Papua New Guinea]; *Acaricesa berlesii* (Lehtinen, 1995) (**comb.n.**) [Papua New Guinea]; *Setoptus* (*Orienticesa*) *thunbergi* Hong, 1988 (**comb.n.**); *Setoptus* (*Orienticesa*) *inaequalis* Huang, 1996 (**comb.n.**); *Setoptus* (*Orienticesa*) *inuitatus* Boczek, 1996 (**comb.n.**) [Taiwan]; *Setoptus* (*Orienticesa*) *undatus* Boczek, 1996 (**comb.n.**) [Taiwan]; *Setoptus* (*Orienticesa*) *viator* (Flechtmann & Navia, 1998) (**comb.n.**); *Dabertina africana* (Gaud, 1976) (**comb.n.**) [Africa]; *Arizonia arizonica* (Magowski, Lindquist & Moser, 2005) (**comb. n.**) [U.S.A. Arizona]; *Augeriflechtmanina jeridi* (Auger & Flechtmann, 2003) (**comb.n.**) [Tunisia]; *Augeriflechtmanina penisinuus* (Auger & Flechtmann, 2003) (**comb.n.**) [Tunisia]; *Ripiaspichia* (*Suzukicesa*) *sawaii* (Suzuki, 1975) (**comb.n.**); *Ripiaspichia* (*Suzukicesa*) *khunyingi* (Suzuki, 1975) (**comb.n.**); *Ripiaspichia* (*Suzukicesa*) *hayashi* (Suzuki, 1975) (**comb.n.**); *Indonesia chani* (Nadchatram, 1989) (**comb.n.**) [Indonesia]; *Indonesia parviseta* (Nadchatram, 1989) (**comb.n.**) [Indonesia]; *Henzua fukiensis* (Fan & Chen, 1996) (**comb. n.**) [China]; *Blaszakia pulcher* (Blaszak, 1984) (**comb.n.**) [U.S.A.]

**Key words:** *Ascidae*, *Diarthrophallidae*, *Diptilomiopidae*, *Eriophyidae*, *Halacaridae*, *Holothyridae*, *Phytoptidae*, *Syringobiidae*, *Tarsonemidae*, *Tetranychidae*, *Walchiidae*, *Xenocaligonellidae*, *Zerconidae*, *Acarina*, nomenclature, Africa, Cameroon, Tunisia, Asia, Thailand, Taiwan, Indonesia, Papua New Guinea, China, Russia, U.S.A., Arizona.

Within the research Project of the Biodiversity of the World Insects by the Cesa, the following homonymy cases among the genus-group names of various families in the order *Acarina* are found. The necessary literary evaluation is based especially upon the info-sytem of the Cesa, in accordance with the related article of the ICZN.

The results are given below within the families arranged alphabetically.

### *Ascidae*

#### *Neojordensia* Evans, 1957

##### *Kandilia* **nom. nov.**

*Evansia* Kandil, 1979 (Folia ent. hung. 32 (1): 18) nec *Evansia* Becker-Migdisova, 1961 (Trans. Paleontol. Inst. USSR Ac. Sci., 85: 23) (*Hemiptera*) non *Evansia* Pocock, 1972 (Palaeontographica (B) 137: 95) (*Protozoa*), non *Evansia* Railliet & Henry, 1913 (in Railliet, Henry & Joyeux, Bull. Soc.

Path. exot., 6: 264-265) (*Nematoda*) non *Evansia* Scott, 1906 (Ann. Mag. nat. Hist., (7) 17: 460) (*Crustacea*).

The name *Evansia* Kandil, 1979 is invalid, as it is junior homonym of *Evansia* Becker-Migdisova, 1961, *Evansia* Pocock, 1972, *Evansia* Railliet & Henry, 1913, and *Evansia* Scott, 1906; therefore a replacement name in the subgenus category, ***Kandilia* nom. nov.** for *Evansia* Kandil, 1979 nec other authors, is proposed here.

Etymology: The proposed name is dedicated to the original author of the pre-occupied name.

Necessary nomenclatural treatment is given below:

*Neojordensia* (*Kandilia*) *asetosa* Kandil, 1979 (**comb.n.**)

## ***Diarthrophallidae***

### ***Africola* nom. nov.**

*Notoporus* Schuster & Summers 1978 (International J. Acarol. 4 (4): 309) nec *Notoporus* Yamaguti, 1938 (Studies Helminth Fauna of Japan, no. 21: 55) (*Trematoda*)

The name *Notoporus* Schuster & Summers 1978 is invalid, as it is junior homonym of *Notoporus* Yamaguti, 1938; therefore a replacement name, ***Africola* nom. nov.** for *Notoporus* Schuster & Summers 1978 nec Yamaguti, 1938, is proposed here.

Etymology: The proposed name is given after the Continent Africa, where the taxa inhabit.

Necessary nomenclatural treatments are given below:

*Africola clypeolus* (Schuster & Summers, 1978) (**comb.n.**)

*Africola amnoni* (Haitlinger, 2001) (**comb.n.**): Cameroon

*Africola asperatus* Schuster & Summers, 1978 (**comb.n.**): Africa

## ***Diptilomiopidae***

### ***Taiwanocesa* nom. nov.**

*Norma* Huang, 2001<sup>1</sup> (Bull Natl Mus Nat Sci (Taichung) 13: 59) nec *Norma* Heinrich, 1923 (Bull. U.S. nat. Mus., No. 123, 191) (*Lepidoptera*)

The name *Norma* Huang, 2001 is invalid, as it is junior homonym of *Norma* Heinrich, 1923; therefore a replacement name, ***Taiwanocesa* nom. nov.** for *Norma* Huang, 2001 nec Heinrich, 1923, is proposed here.

Etymology: The proposed name is an arbitrary combination of letters from the name of Institute and the country of the type material.

Necessary nomenclatural treatment is given below:

*Taiwanocesa lanyuensis* (Huang, 2001) (**comb.n.**): Taiwan

## ***Eriophyidae***

### ***Eriophycesa* nom. nov.**

*Spatha* Huang, 2001 (Bull Natl Mus Nat Sci (Taichung) 13: 79) nec *Spatha* Lea, 1838 (Trans. Amer. phil. Soc., (N.S.) 6 (1): 141) (*Mollusca*)

The name *Spatha* Huang, 2001 is invalid, as it is junior homonym of *Spatha* Lea, 1838; therefore a replacement name, ***Eriophycesa* nom. nov.** for *Spatha* Huang, 2001 nec Lea, 1838, is proposed here.

Etymology: The proposed name is an arbitrary combination of letters from the Institute and the family name of the pre-occupied genus.

Necessary nomenclatural treatment is given below:

*Eriophycesa yubima* (Huang, 1996) (**comb.n.**)

### ***Thaicesa* nom. nov.**

*Liparus* Boczek, 1996 (Bull Pol Acad Sci Biol Sci 44 (1-2): 61) nec *Liparus* Harris, 1841 (Rep. Insects Massach., 260) (*Lepidoptera*) non *Liparus* Albers, 1850 (Die Heliceen, 172) (*Mollusca*)

<sup>1</sup> <http://insects.tamu.edu/research/collection/hallan/acari/Family/Diptilomiopidae.txt>

The name *Liparus* Boczek,1996 is invalid, as it is junior homonym of *Liparus* Harris,1841 and *Liparus* Albers,1850; therefore a replacement name, ***Thaicesa* nom. nov.** for *Liparus* Boczek,1996 nec other authors, is proposed here.

Etymology: The proposed name is an arbitrary combination of letters from the name of Institute and the country of the type material.

Necessary nomenclatural treatment is given below:

*Thaicesa eugeniae* (Boczek,1996) (**comb.n.**): Thailand.

## ***Halacaridae***

### ***Makarovana* nom. nov.**

*Acanthopalpus* Makarova,1978<sup>2</sup> ((Inst. mar. Biol., Far East Sci. Centre, USSR Akad. Sci., 'Nauka', Moscow: 144) nec *Acanthopalpus* Ausserer,1871 (Verh. zool.-bot. Ges. Wien, 21, Abh., 207) (Arachn).

The name *Acanthopalpus* Makarova,1978 is invalid, as it is junior homonym of *Acanthopalpus* Ausserer,1871; therefore a replacement name, ***Makarovana* nom. nov.** for *Acanthopalpus* Makarova,1978 nec *Acanthopalpus* Ausserer,1871, is proposed here.

Etymology: The new name is dedicated to N. G. Makarova, the original author of the pre-occupied name.

Necessary nomenclatural treatment is given below:

*Makarovana hirsutus* (Makarova,1978) (**comb.n.**): Russia.

## ***Holothyridae***

### ***Acaricesa* nom. nov.**

*Thonius* Lehtinen,1981 (Acarologia 22 (1): 7) nec *Thonius* Lacordaire,1842 (Mon. Erotyl.: 31) (Coleoptera).

The name *Thonius* Lehtinen,1981 is invalid, as it is junior homonym of *Thonius* Lacordaire,1842; therefore a replacement name, ***Acaricesa* nom. nov.** for *Thonius* Lehtinen,1981 nec Lacordaire,1842, is proposed here.

Etymology: The proposed name is an arbitrary combination of letters from the name of Institute and the order *Acarina*.

Necessary nomenclatural treatments are given below:

*Acaricesa longipes* (Thorell 1882) (**comb.n.**): Papua New Guinea

*Acaricesa mendi* (Lehtinen,1995) (**comb.n.**): Papua New Guinea

*Acaricesa berlesei* (Lehtinen,1995) (**comb.n.**): Papua New Guinea

## ***Phytoptidae***

### ***Setoptus* Keifer, 1944**

#### ***Orienticesa* nom. nov.**

*Orientis* Huang,1996<sup>3</sup> (Acarologia (Paris) 37 (3): 218) nec *Orientis* Va & Kashy 1992 (J. Ent. Res. (New Delhi) 16 (4): 252) (Coleoptera)

The name *Orientis* Huang,1996 is invalid, as it is junior homonym of *Orientis* Va & Kashy 1992; therefore a replacement name, ***Orienticesa* nom. nov.** for *Orientis* Huang,1996 nec Va & Kashy 1992, is proposed here.

Etymology: The proposed name is an arbitrary combination of letters from the name of Institute and geographical expression.

Necessary nomenclatural treatments are given below:

*Setoptus (Orienticesa) thunbergi* Hong, 1988 (**comb.n.**)

<sup>2</sup> <http://www.marinespecies.org/aphia.php?p=taxdetails&id=172734> - <http://insects.tamu.edu/research/collection/hallan/acari/Family/Halacaridae.txt> - Bartsch,I., 2006, Halacaroida (Acari): a guide to marine genera. Org. Divers. Evol. 6, Electr. Suppl. 6: 1-104.

<sup>3</sup> <http://insects.tamu.edu/research/collection/hallan/acari/Family/Phytoptidae.txt>

*Setoptus (Orienticesa) inaequalis* Huang, 1996 (**comb.n.**)  
*Setoptus (Orienticesa) inusitatus* Boczek, 1996 (**comb.n.**): Taiwan  
*Setoptus (Orienticesa) undatus* Boczek, 1996 (**comb.n.**): Taiwan  
*Setoptus (Orienticesa) viator* (Flechtmann & Navia, 1998) (**comb.n.**)

## **Syringobiidae**

### **Dabertina nom. nov.**

*Raineria* Dabert, 2003 (Acta Parasitol. 48 (Suppl.): 102) nec *Raineria* Mikrjukov 1999 (Zool. Zh. 78 (5): 520) (Protozoa) non *Raineria* Osswald, 1928 (Z. dt. geol. Ges. 80: 496) (Pisces)

The name *Raineria* Dabert, 2003 is invalid, as it is junior homonym of *Raineria* Mikrjukov 1999 (Protozoa) non *Raineria* Osswald, 1928 (Pisces); therefore a replacement name, ***Dabertina* nom. nov.** for *Raineria* Dabert, 2003 nec *Raineria* Mikrjukov 1999 non *Raineria* Osswald, 1928, is proposed here.

Etymology: The proposed name is dedicated to J. Dabert, for his remarkable contributions to the taxonomy of the *Acarina*.

Necessary nomenclatural treatment is given below:

*Dabertina africana* (Gaud, 1976) (**comb.n.**): Africa.

## **Tarsonemidae**

### **Arizonia nom. nov.**

*Giselia* Magowski, Lindquist & Moser, 2005 (Canad. Ent. 137 (6): 648-656)<sup>4</sup> nec *Giselia* Haupt, 1956 (Nova Acta Leopoldina (N.S.) 18 no. 128: 15) (Hemiptera)

The name *Giselia* Magowski, Lindquist & Moser, 2005 is invalid, as it is junior homonym of *Giselia* Haupt, 1956; therefore a replacement name, ***Arizonia* nom. nov.** for *Giselia* Magowski, Lindquist & Moser, 2005 nec Haupt, 1956, is proposed here.

Etymology: The proposed name is after the territory of the type material.

Necessary nomenclatural treatment is given below:

*Arizonia arizonica* (Magowski, Lindquist & Moser, 2005) (**comb. n.**): U.S.A. Arizona.

## **Tetranychidae**

### **Augeriflechtmannia nom. nov.**

*Diplonychus* Auger & Flechtmann, 2003 (Int. J. Acarol. 29 (1): 75) nec *Diplonychus* Laporte, 1832 (Ess. Hémipt. in Magasin de Zool., 2: 18) (Hemiptera)

The name *Diplonychus* Auger & Flechtmann, 2003 is invalid, as it is junior homonym of *Diplonychus* Laporte, 1832; therefore a replacement name, ***Augeriflechtmannia* nom. nov.** for *Diplonychus* Auger & Flechtmann, 2003 nec Laporte, 1832, is proposed here.

Etymology: The proposed name is an arbitrary combination of letters from the names of the original authors.

Necessary nomenclatural treatments are given below:

*Augeriflechtmannia jeridi* (Auger & Flechtmann, 2003) (**comb.n.**): Tunisia.

*Augeriflechtmannia penisinosus* (Auger & Flechtmann, 2003) (**comb.n.**): Tunisia.

## **Walchiidae**

### **Ripiaspichia Vercammen-Grandjean 1968**

#### **Suzukicesa nom. nov.**

<sup>4</sup> Magowski, Lindquist & Moser, 2005, *Giselia arizonica*, a new genus and species of mite (Acari: Tarsonemidae) associated with bark beetles of the genus *Pseudopityophthorus* (Coleoptera: Scolytidae) in North America. Canadian Entomologist 137(6): 648-656.

*Suzukia* Wen 1999 (Systematic & Applied Acarology: 165-178)<sup>5</sup> nec *Suzukia* Matsumura, 1920 (Thous. Ins. Japan (Nihon Senchu Drukai), Addit., 4: 768) (*Lepidoptera*) non *Suzukia* Okamoto, 1913 (Trans. Sapporo nat. Hist. Soc., 4, 109) (*Plecoptera*)

The name *Suzukia* Wen 1999 is invalid, as it is junior homonym of *Suzukia* Matsumura, 1920 (*Lepidoptera*) and *Suzukia* Okamoto, 1913 (*Plecoptera*); therefore a replacement name as subgenus, ***Suzukicesa* nom. nov.** for *Suzukia* Wen 1999 nec Matsumura, 1920 non Okamoto, 1913, is proposed here.

Etymology: The proposed name is an arbitrary combination of letters from the name of Institute and the original pre-occupied name.

Necessary nomenclatural treatments are given below:

*Ripiaspichia* (*Suzukicesa*) *sawaii* (Suzuki, 1975) (**comb.n.**)

*Ripiaspichia* (*Suzukicesa*) *khunyingi* (Suzuki, 1975) (**comb.n.**)

*Ripiaspichia* (*Suzukicesa*) *hayashi* (Suzuki, 1975) (**comb.n.**)

### ***Indonesia* nom. nov.**

*Parvisetia* Wen & Gui, 2000 (Systematic & Applied Acarology 5: 157-172)<sup>6</sup> nec *Parvisetia* Monterosato, 1884 (Natural. Sicil., 3, 280) (*Mollusca*).

The name *Parvisetia* Wen & Gui, 2000 is invalid, as it is junior homonym of *Parvisetia* Monterosato, 1884; therefore a replacement name, ***Indonesia* nom. nov.** for *Parvisetia* Wen & Gui, 2000 nec Monterosato, 1884, is proposed here.

Etymology: The proposed name is after the name of the state of the type material.

Necessary nomenclatural treatments are given below:

*Indonesia chani* (Nadchatram, 1989) (**comb.n.**): Indonesia

*Indonesia parviseta* (Nadchatram, 1989) (**comb.n.**): Indonesia

## ***Xenocaligonellididae***

### ***Henzua* nom. nov.**

*Echinopsis* Fan & Chen, 1996<sup>7</sup> (Syst. Appl. Acarol. 1: 123) nec *Echinopsis* Agassiz, 1838 (Mon. Ech., 1: 4; 1840, Cat. Ect. Ech., 9; 1846, Ann. Sci. nat., [3] (Zool.), 6: 354) (*Echinodermata*)

The name *Echinopsis* Fan & Chen, 1996 is invalid, as it is junior homonym of *Echinopsis* Agassiz, 1838; therefore a replacement name, ***Henzua* nom. nov.** for *Echinopsis* Fan & Chen, 1996 nec Agassiz, 1838, is proposed here.

Etymology: The proposed name is after the original name of the people of the state, where the type material found.

Necessary nomenclatural treatment is given below:

*Henzua fukiensis* (Fan & Chen, 1996) (**comb. n.**): China

## ***Zerconidae***

### ***Blaszakia* nom. nov.**

*Allozercon* Blaszak, 1984 (Polskie Pismo. ent. 53 (4): 596)<sup>8</sup> nec *Allozercon* Vitzthum, 1926 (Treubia 8: 104) (Arachn.)

The name *Allozercon* Blaszak, 1984 is invalid, as it is junior homonym of *Allozercon* Vitzthum, 1926; therefore a replacement name, ***Blaszakia* nom. nov.** for *Allozercon* Blaszak, 1984 nec *Allozercon* Vitzthum, 1926, is proposed here.

Etymology: The proposed name is dedicated to C. Blaszak, for his remarkable contributions to the taxonomy of the *Acarina*.

Necessary nomenclatural treatment is given below:

*Blaszakia pulcher* (Blaszak, 1984) (**comb.n.**): U.S.A.

<sup>5</sup> Wen, 1999, New taxa and tentative rearrangement of Walchiidae stat. n. with remarks on Trombiculoidea nec Welbourn, 1991 (Acar: Acariformes). Systematic and Applied Acarology 4: 165-178.

<sup>6</sup> Wen & Gui, 2000, Revision on the sand-mite tribe Gahrlepiini sensu Wen (Acariformes: Walchiidae). Systematic and Applied Acarology 5: 157-172.

<sup>7</sup> <http://insects.tamu.edu/research/collection/hallan/acari/Family/Xenocaligonellididae.txt>

<sup>8</sup> <http://insects.tamu.edu/research/collection/hallan/acarallgen.html>

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# Nomenclatural notes on the genus group names of the families *Pompilidae* and *Sphecidae* (Hymenoptera)

Ahmet Ömer Koçak   Muhabbet Kemal

**Abstract:** Nomenclatural notes on the genus-group names of the families *Pompilidae* and *Sphecidae* (Hymenoptera). *Cent. ent. Stud., Misc. Pap.* 145: 6-7.

These nomenclatural notes deal with the homonymy of 2 genus-group names in the families *Pompilidae* and *Sphecidae* (Hymenoptera) from Taiwan and Papua New Guinea. The proposed replacement names are ***Formosacesa* nom. nov.** and ***Papuacesa* nom. nov.**. The necessary nomenclatural combinations proposed are as follows: *Formosacesa formosana* (Tsuneki, 1989) (**comb.n.**) [Taiwan]; *Formosacesa rufotibialis* (Tsuneki, 1989) (**comb.n.**) [Taiwan]; *Podagritus (Papuacesa) toxopeusi* Tsuneki, 1993 (**comb.n.**) [Papua New Guinea].

**Key words:** *Pompilidae*, *Sphecidae*, Hymenoptera, nomenclature, Taiwan, Papua New Guinea.

Within the research Project of the Biodiversity of the World Insects by the Cesa, the following homonymy cases among the genus-group names of two different families in the order *Hymenoptera* are found. The necessary literary evaluation is based upon the info-sytem of the Cesa, in accordance with the related article of the ICZN. The results are given below:

## *Pompilidae*

### ***Formosacesa* nom. nov.**

*Taiwania* Tsuneki, 1989 (Spec. Publ. Jpn. Hymenopterists Assoc. No. 35: 15) nec *Taiwania* Spaeth, 1913 (Ann. Mus. hungar. 11: 47) (Coleoptera)

The name *Taiwania* Tsuneki, 1989 is invalid, as it is junior homonym of *Taiwania* Spaeth, 1913; therefore a replacement name, ***Formosacesa* nom. nov.** for *Taiwania* Tsuneki, 1989 nec Spaeth, 1913, is proposed here.

Etymology: The proposed name is an arbitrary combination of letters from the name of Institute and the country of the type material.

Necessary nomenclatural treatments are given below:

*Formosacesa formosana* (Tsuneki, 1989) (**comb.n.**): Taiwan.



*Formosacesa rufotibialis* (Tsuneki,1989) (**comb.n.**): Taiwan.

## **Sphecidae**

### **Papuacesa nom. nov.**

*Podagritus* (*Ebisus*) Tsuneki,1993 (Special Publs. Jap. Hymenopt. Ass. No. 27: 2)<sup>9</sup> nec *Ebisus* Jordan & Snyder,1901 (J. Coll. Sci. Tokyo 15: 302, 308) (*Pisces*).

The subgenus name *Ebisus* Tsuneki,1993 is invalid, as it is junior homonym of *Ebisus* Jordan & Snyder,1901; therefore a replacement name, ***Papuacesa* nom. nov.** for *Ebisus* Tsuneki,1993 nec Jordan & Snyder,1901, is proposed here.

Etymology: The proposed name is an arbitrary combination of letters from the name of Institute and the country of the type material.

Necessary nomenclatural treatment is given below:

*Podagritus* Spinola,1851

*Podagritus* (*Papuacesa*) *toxopeusi* Tsuneki,1993 (**comb.n.**): Papua New Guinea.

## ***Tropicalia* nom. nov., a replacement name for pre-occupied genus name from South America (Scarabaeidae, Coleoptera)**

**Ahmet Ömer Koçak   Muhabbet Kemal**

**Abstract:** *Tropicalia* nom. nov., a replacement name for pre-occupied genus name from South America (Scarabaeidae, Coleoptera). *Cent. ent. Stud., Misc. Pap.* 145: 7-8.

This nomenclatural note deals with the homonymy of a genus-group name in the families Scarabaeidae (Coleoptera) from South America. The proposed replacement names is ***Tropicalia* nom. nov.** The necessary nomenclatural combination proposed is *Tropicalia velutinus* (Bates, 1887) (**comb.n.**).

**Key words:** Scarabaeidae, Coleoptera, nomenclature, South America.

Within the research Project of the Biodiversity of the World Insects by the Cesa, the following homonymy case among the genus-group names of the family Scarabaeidae (Coleoptera) is found. The necessary literary evaluation is based upon the info-sytem of the Cesa, in accordance with the related article of the ICZN. The result is given below:

## **Scarabaeidae**

### ***Tropicalia* nom. nov.**

*Eurysternodes* Martinez 1988<sup>10, 11</sup> (Ent. Basil. 12: 281) nec *Eurysternodes* Schuster & Summers 1978 (Int. J. Acarol. 4: 303)

The genus name *Eurysternodes* Martinez 1988 is invalid, as it is junior homonym of *Eurysternodes* Schuster & Summers 1978; therefore a replacement name, ***Tropicalia* nom. nov.** for *Eurysternodes* Martinez 1988 nec *Eurysternodes* Schuster & Summers 1978, is proposed here.

<sup>9</sup> Tsuneki, 1989, A study on the Pompilidae of Taiwan (*Hymenoptera*). Special Publications of the Japan Hymenopterists Association 35: 1-180.

<sup>10</sup> [http://www.catalogueoflife.org/show\\_species\\_details.php?record\\_id=4503845](http://www.catalogueoflife.org/show_species_details.php?record_id=4503845)

<sup>11</sup> Martinez, 1988, Notas sobre Eurysternus Dalman (Coleoptera, Scarabaeidae). Entomologica Basiliensia, 12 1988: 279-304.

Necessary nomenclatural treatment is given below:

*Tropicalia velutinus* (Bates, 1887) **(comb.n.)**: South and Central America (Panama, Colombia, French Guiana, Suriname, Guyana, Ecuador, Peru, Brazil, Mexico, Venezuela, Bolivia).

## Miscellaneous Nomenclatural Notes

Ahmet Ömer Koçak      Muhabbet Kemal

### 1- Addenda & Corrigenda

The following replacement names and emendations are necessarily proposed according to the Homonymy Rules of the current ICZN (1999).

In the family *Theridiidae* (*Araneida*), ***Seycellocesa* (nom. nov.)** is proposed as replacement name for *Saaristoa* Koçak & Kemal, 2008 (Cent. ent. Stud., Misc. Pap. 139-140: 4), as it is preoccupied by the name *Saaristoa* Millidge, 1978 (Bull. Br. arachnol. Soc. 4: 123) in the family *Linyphiidae*. The latter was not listed in Neave's Nomenclator Zoologicus so far. See online Version: <http://uio.mbl.edu/NomenclatorZoologicus/> . Necessary new combination is: *Seycellocesa placens* (Blackwall, 1877) **(comb.n.)**.

In the family *Acrididae* (*Orthoptera*), ***Peruviana*** is proposed as emendation for *Peruana* Koçak & Kemal, 2008 (Cent. ent. Stud., Misc. Pap. 141: 2).

### 2- *Kutlugia* nom. nov. in the family *Geometridae* (*Lepidoptera*)

In the subfamily *Ennominae*, a replacement name ***Kutlugia* nom. nov.** is proposed for *Megametopon* Alpheraky, 1892 (in Romanoff, Mém. lépid. 6: 58), as it is junior homonym of *Megametopon* Giglio-Tos, 1891 (Bol. Mus. Torino 6 (108): 5) (*Diptera*). The necessary new combinations are as follows: *Kutlugia grisolaria* (Eversmann, 1848) **(comb.n.)** from Russia, Urals; *Kutlugia piperatum* (Alpheraky, 1892) **(comb.n.)** from China, Gansu. Replacement name is proposed after the first Khagan of Uighur Empire in Asia (745-1368), Kutlug Bilge Kul-Khagan.

### 3- Nomenclatural Changes in the Order *Mantodea* (*Insecta*)

During the preparation of the database within the Cesa Project entitled "Entomofauna of Old World", some junior homonyms among the species and genus group names in the order *Mantodea* were found. The necessary nomenclatural acts are proposed as follows:

In the family *Mantidae*, ***Amantis muhabbet* (nom. nov.)** (Koçak) is proposed as a replacement name for *Mantis reticulata* De Haan, 1842 nec *Mantis reticulata* Burmeister, 1838 in the genus *Amantis* Giglio-Tos, 1915. The species inhabits in Myanmar, Malaysia, Indonesia, and Philippine Islands.

In the family *Mantidae*, ***Ameles canaria* (nom. nov.)** is proposed as a replacement name for *Mantis limbata* Brullé, 1838 nec *Mantis limbata* De Haan, 1835. The homonymy between these two names was explained by Gurney (1947)<sup>12</sup> for the first time. Kaltenbach's interpretation on the homonymy of *Mantis limbata* Brullé and *Mantis limbata* De Haan is nomenclaturally incorrect. These names are obviously primary homonyms under the current Homonymy Rules of the ICZN (1999). On the other hand, *Ameles limbata* (Brullé) and *Ameles gracilis* (Brullé) are two different species (Kaltenbach, 1979).<sup>13</sup> The species inhabits in the Canary Islands; therefore, the replacement name is proposed here after the terra typica of the taxon under discussion.

In the family *Mantidae*, ***Entella ehrmanni* (nom. nov.)** is proposed as a replacement name for *Mantis nebulosa* Audinet-Serville, 1839 nec *Mantis nebulosa* Thunberg, 1815 in the genus *Entella* Stal, 1877. The species inhabits in Cape (South Africa). Replacement name is dedicated to Mr. R. Ehrmann, who has great contributions to the *Mantodea* of the World.

In the family *Mantidae*, ***Paramantis ottei* (nom. nov.)** is proposed as a replacement name for *Mantis prasina* Audinet-Serville, 1839 nec *Mantis prasina* Burmeister, 1838 in the genus *Paramantis* Ragge

<sup>12</sup> Gurney, 1947, Proc. ent. Soc. Wash. 49: 251.

<sup>13</sup> Kaltenbach, 1979, Annln naturh. Mus. Wien 82: 517-531.



& Roy, 1967. Although *Mantis emortualis* Saussure, 1869 and *Mantis callifera* Wood-Mason, 1882 were treated as junior synonymous names of *Mantis prasina* Audinet-Serville, 1839 by Beier (1935) and Ehrmann (2002), this interpretation was not followed by Otto et alia, 2008.<sup>14</sup> These authors treated *Mantis prasina* Audinet-Serville, 1839 as valid specific name in the genus *Paramantis*, and the others also valid names of two species in the genus *Mantis*. By considering this latest interpretation as right, we proposed the replacement name, *Paramantis ottei*, and dedicated it to Mr. Daniel Otte, senior author of the well known database program, "Mantodea species File Online". The species inhabits in West, South Africa, Madagascar, and Reunion Islands.

In the family *Mantidae*, *Gonypeta humbertiana* (Saussure, 1869) (**stat. rev.**) is proposed as valid name for the species, as currently used name *Mantis punctata* De Haan, 1842 is junior primary homonym of *Mantis punctata* Stoll, 1813 in the genus *Gonypeta* Saussure, 1869 (**syn.n., hom.n.**). The species inhabits in Sri Lanka, India, Malaysia, Java and Sumatra (Indonesia).

In the family *Mantidae*, *Tamolanica atricoxis* ssp. *australia* (**nom. nov.**) is proposed here as a replacement name for *Tamolanica atricoxis* ssp. *grandis* Wood-Mason, 1882 (J. Asiat. Soc. Bengal 51: 31) nec Saussure, 1870 (Mitt. schweiz. ent. Ges. 3: 233), as it is junior primary homonym. The name *grandis* Wood-Mason, 1882 is treated as valid subspecific name in two recent important works.<sup>15</sup> As the name *grandis* Wood-Mason, 1882 originally proposed in the genus *Hierodula* like *Hierodula grandis* Saussure, 1870, is clearly junior primary homonym of the latter; therefore it cannot be used as valid name for a taxon.

In the family *Mantidae*, *Photina gymnopyga* (Burmeister, 1838) (**stat. rev.**) is proposed as a valid name instead of *Mantis vitrea* Burmeister, 1838 nec *Mantis vitrea* Stoll, 1813 in the genus *Photina* Burmeister, 1838 (**syn.n., hom.n.**). Under the Homonym Rules of the current ICZN (1999), *Mantis vitrea* Burmeister, 1838 cannot be used as valid name, as it is junior primary homonym of *Mantis vitrea* Stoll, 1813.<sup>16</sup> The species inhabits in Brazil, and French Guyana.

In the family *Mantidae*, *Cardioptera sublobata* (Audinet-Serville, 1839) (**stat. rev.**) is proposed as valid name for the species, as currently used name *Mantis brachyptera* Burmeister, 1838 is junior primary homonym of *Mantis brachyptera* Pallas, 1773 in the genus *Bolivaria* Stal, 1877 (**syn.n., hom.n.**). The next available synonymous name, *Mantis sublobata* Audinet-Serville, 1839 is treated here as valid name for the taxon. The species inhabits in South America (Argentina, Brazil, French Guyana, Guyana, and Venezuela).

In the family *Iridopterygidae*, *Malayamantis* (**nom. nov.**) is proposed as replacement name for *Xanthomantis* Giglio-Tos, 1915, as it is junior homonym of *Xanthomantis* Warren, 1909 (*Lepidoptera*). Although this case was reported by Uvarov in 1940, *Xanthomantis* Giglio-Tos used erroneously as valid name for the related taxa so far. The necessary nomenclatural acts are summarized as follows: *Pliacanthopus* Giglio-Tos, 1927 is treated here as valid name of the generic taxon (**stat. rev.**). New established *Malayamantis* is used here as subgenus name, together with other subgenus name *Oligocanthopus* Beier, 1935. The following three species should be treated as *Pliacanthopus* (*Malayamantis*) *malayanus* (Beier, 1931) from Malaya, *Pliacanthopus* (*Malayamantis*) *flavus* (Giglio-Tos, 1915) from Sarawak, and *Pliacanthopus* (*Malayamantis*) *bimaculatus* (Wang, 1993) from China (Yunnan).

## Nomenclatural notes on some species group names in the family *Asilidae* (*Diptera*)

Ahmet Ömer Koçak    Muhabbet Kemal

**Abstract:** Nomenclatural notes on some species-group names in the family *Asilidae* (*Diptera*). *Cent. ent. Stud., Misc. Pap.* 145: 9-12. These nomenclatural notes deal with the homonymy of the species group names in the family *Asilidae*, found in various countries of the world. The proposed 28 are as follows: *Andrenosoma cubana* (**nom. nov.**) from Cuba, *Asilus mioceneus* (**nom. nov.**) from Croatia, *Asilus javanus* (**nom. nov.**) from Java, *Tolmerus turcicus* (**nom. nov.**) from Turkey and S.E. Europe, *Asilus brazilanus* (**nom. nov.**) from Brazil, *Dasyopon tasmanicus* (**nom. nov.**) from Tasmania, *Dasyopogon australicus* (**nom. nov.**) from New Holland, *Dasyopogon cubanus* (**nom. nov.**) from Cuba, *Epaphroditus gellergrimmii* (**nom. nov.**) from Indonesia, *Laphria shi* (**nom. nov.**) from China, *Leptogaster walkeri* (**nom. nov.**) from Indonesia, *Leptogaster africola* (**nom. nov.**) from Zaire, *Leptogaster theodori* (**nom. nov.**) from Jordan, *Ommatius mexicanus* (**nom. nov.**)

<sup>14</sup> Otte, Daniel, Lauren Spearman and Martin B.D. Stiewe. *Mantodea Species File Online*. Version 1.0/3.4. [retrieval date]. <http://Mantodea.SpeciesFile.org> [Access on 5th December, 2008]

<sup>15</sup> *Australian Faunal Directory*. Australian Biological Resources Study, Canberra. [accessed 06 December 2008]. <http://www.environment.gov.au/biodiversity/abrs/online-resources/fauna/afd/index.html>  
<http://mantodea.speciesfile.org/Common/basic/Taxa.aspx?TaxonNameID=2248> [accessed 06 December 2008].

<sup>16</sup> Agudelo Rondon et al., 2007, *Biota Colombiana* 8 (2): 129.

from Mexico, *Ommatius philippinus* (**nom. nov.**) from Philippines and Indonesia, *Ommatius formosanus* (**nom. nov.**) from Taiwan, *Ommatius colombius* (**nom. nov.**) from Colombia, *Ommatius madagascariensis* (**nom. nov.**) from Madagascar, *Philonicus mexicanus* (**nom. nov.**) from Mexico, *Promachus pacificus* (**nom. nov.**) from Philippines, *Promachus miocenus* (**nom. nov.**) from China, *Promachus oceanicus* (**nom. nov.**) from New Holland, *Promachus zimbabweus* (**nom. nov.**) from Zimbabwe, *Tolmerus muhabbet* (**nom. nov.**) from Turkey, *Cerditus lehri* (**nom. nov.**) from Central Asia, *Heligmoneura tropicana* (**nom. nov.**) from Africa, *Machimus lehri* (**nom. nov.**) from Russia, *Machimus nearcticus* (**nom. nov.**) from U.S.A. and Mexico, *Proctacanthella cesa* (**nom. nov.**) from U.S.A. and Mexico. The name *Habropogon heteroneurus* Timon & David, 1951 is proposed as valid name for the taxon.

**Key words:** *Asilidae*, *Diptera*, species, nomenclature.

Within the research Project of the Biodiversity of the World Insects by the Cesa, the following homonymy cases among the species-group names in the family *Asilidae* (*Diptera*) are recorded. The necessary literary evaluation is based upon the info-system of the Cesa, in accordance with the related article of the ICZN. The following 28 replacement names are proposed for the preoccupied names of the species inhabiting in various countries. For one species, a junior synonym is validated for the preoccupied name. Under the Homonymy Rules of the current ICZN (1999)<sup>17</sup>, primary or secondary junior homonym names cannot be used as valid names for the taxa.

Within the Cesa Project, *Entomofauna of the Old World*<sup>18</sup>, the following preoccupied names are controlled and replaced necessarily by the new names, by taking various published data in the Cesa Library, as well as the worldwide online studies about the family *Asilidae*.<sup>19</sup>

The temporary results of the ongoing Cesa Project will be published at irregular intervals.

***Andrenosoma cubana* (nom. nov.)** pro *Laphria varipes* Banks, 1920 nec *Laphria varipes* Bigot, 1878 (Europe). This replacement name is proposed due to the primary homonymy. This replacement name is given after the name of the country where the taxon found. Range: Cuba.

***Asilus mioceneus* (nom. nov.)** pro *Asilus bicolor* Heer, 1849 nec *Asilus bicolor* Olivier, 1789 (Europe). This replacement name is proposed due to the primary homonymy. Range: Croatia.

***Asilus javanus* (nom. nov.)** pro *Asilus rufibarbis* Macquart, 1849 nec *Asilus rufibarbis* Meigen, 1820. This replacement name is proposed due to the primary homonymy. This replacement name is given after the name of the country where the taxon found. Range: Indonesia, Java.

***Habropogon heteroneurus*** Timon & David, 1951 (**stat. rev.**) *Asilus striatus* Fabricius, 1794 is invalid as it is junior primary homonym of *Asilus striatus* Gmelin, 1790. Range: North Africa, Mediterranean countries, Middle East.

***Tolmerus turcicus* (nom. nov.)** pro *Asilus tessellatus* Loew, 1849 nec *Asilus tessellatus* Brullé, 1832 (Greece). This replacement name is proposed due to the primary homonymy. This replacement name is given after the name of the country where the taxon found. Range: South East Europe, Turkey.

***Asilus brazilanus* (nom. nov.)** pro *Asilus tibialis* Rondani, 1850 nec *Asilus tibialis* Gimmerthal, 1847 (Russia). This replacement name is proposed due to the primary homonymy. This replacement name is given after the name of the country where the taxon found. Range: Brazil.

***Dasypogon tasmanicus* (nom. nov.)** pro *Dasypogon analis* Macquart, 1850 nec *Asilus analis* Fabricius, 1794 [currently placed in the genus *Dasypogon*]. This replacement name is proposed due to the secondary homonymy. This replacement name is given after the name of the country where the taxon found. Range: Tasmania.<sup>20</sup>

***Dasypogon australicus* (nom. nov.)** pro *Dasypogon nigripennis* Macquart, 1848 nec *Dasypogon nigripennis* Meigen, 1820 [currently placed in the genus *Holopogon*]. This replacement name is proposed due to the primary homonymy. This replacement name is given after the name of the country where the taxon found. Range: New Holland.<sup>21</sup>

***Dasypogon cubanus* (nom. nov.)** pro *Dasypogon parvus* Bigot, 1857 nec *Dasypogon parvus* Rondani, 1850. This replacement name is proposed due to the primary homonymy. This replacement name is given after the name of the country where the taxon found. Range: Cuba.

***Epaphroditus gellergrimmii* (nom. nov.)** pro *Laphria placens* Walker, 1865 nec *Laphria placens* Walker, 1859 [currently placed in the genus *Maira*]. This replacement name is proposed due to the primary homonymy, and the name is dedicated to Fritz Geller-Grimm, who has great contributions to the taxonomy of the World *Asilidae*. Range: Indonesia, Irian Jaya.<sup>22</sup>

<sup>17</sup> International Commission on Zoological Nomenclature (ed.), 1999, International Code of Zoological Nomenclature (Fourth Edition), 306pp. London.

<sup>18</sup> Cesa Projects: <http://www.cesa-tr.org/Cesaprojects.htm>

<sup>19</sup> Most recommended current study on this subject is "Robber Flies (Asilidae)" <http://www.geller-grimm.de/asilidae.htm> [accessed 5 December 2008]

<sup>20</sup> <http://hbs.bishopmuseum.org/aocat/asilidae.html>

<sup>21</sup> <http://hbs.bishopmuseum.org/aocat/asilidae.html>

<sup>22</sup> <http://www.geller-grimm.de/asilidae.htm>

***Laphria shi* (nom. nov.)** pro *Laphria grossa* Shi, 1992 nec *Asilus grossa* Fabricius, 1775 [currently placed in the genus *Laphria*]. This replacement name is proposed due to the secondary homonymy. This replacement name is dedicated to the author of the preoccupied name. Range: China.<sup>23</sup>

***Leptogaster walkeri* (nom. nov.)** pro *Leptogaster ferruginea* Walker, 1858 nec *Leptogaster ferruginea* Walker, 1855. This replacement name is proposed due to the primary homonymy. This replacement name is dedicated to the author of the preoccupied name. Range: Indonesia, Irian Jaya.<sup>24</sup>

***Leptogaster agricola* (nom. nov.)** pro *Leptogaster tarsalis* Janssens, 1854 nec *Leptogaster tarsalis* Walker, 1861. This replacement name is proposed due to the primary homonymy. This replacement name is given after the name of the country where the taxon found. Range: Zaire.<sup>25</sup>

***Leptogaster theodori* (nom. nov.)** pro *Leptogaster tomentosa* Theodor, 1980 nec *Leptogaster tomentosa* Oldroyd, 1972. This replacement name is proposed due to the primary homonymy. This replacement name is dedicated to the author of the preoccupied name. Range: Jordan.

***Ommatius mexicanus* (nom. nov.)** pro *Asilus apicalis* Bellardi, 1861 nec *Asilus apicalis* Wiedemann, 1821. This replacement name is proposed due to the primary homonymy. This replacement name is given after the name of the country where the taxon found. Range: Mexico.

***Ommatius philippinus* (nom. nov.)** pro *Ommatius nanus* Walker, 1861 nec *Ommatius nanus* Walker, 1851. This replacement name is proposed due to the primary homonymy. This replacement name is given after the name of the country where the taxon found. Range: Philippines, Indonesia, Irian Jaya.<sup>26</sup>

***Ommatius formosanus* (nom. nov.)** pro *Ommatius nigripes* Meijere, 1913 nec *Ommatius nigripes* Becker, 1925 [currently placed in the genus *Ommatius*]. This replacement name is proposed due to the secondary homonymy. This replacement name is given after the name of the country where the taxon found. Range: Taiwan.

***Ommatius colombius* (nom. nov.)** pro *Ommatius rufipes* Macquart, 1846 nec *Ommatius rufipes* Macquart, 1838. This replacement name is proposed due to the primary homonymy. This replacement name is given after the name of the country where the taxon found. Range: Colombia.

***Ommatius madagascariensis* (nom. nov.)** pro *Ommatius bicolor* Martin, 1964 nec *Emphysomera bicolor* Bigot, 1875 [currently placed in the genus *Ommatius*]. This replacement name is proposed due to the secondary homonymy. This replacement name is given after the name of the country where the taxon found. Range: Madagascar.

***Philonicus mexicanus* (nom. nov.)** pro *Asilus fuliginosus* Bellardi, 1861 nec *Asilus fuliginosus* Panzer, 1798. This replacement name is proposed due to the primary homonymy. This replacement name is given after the name of the country where the taxon found. Range: Mexico.

***Promachus pacificus* (nom. nov.)** pro *Asilus maculosus* Macquart, 1834 nec *Asilus maculosus* Harris, 1776. This replacement name is proposed due to the primary homonymy. This replacement name is given after the name of the region where the taxon found. Range: Philippines.

***Promachus miocenensis* (nom. nov.)** pro *Promachus rapax* Zhang, Sun & Zhang, 1994 nec *Promachus rapax* Gerstaecker, 1871. This replacement name is proposed due to the primary homonymy. Range: China.

***Promachus oceanicus* (nom. nov.)** pro *Trupanea rufipes* Macquart, 1848 nec *Asilus rufipes* Fabricius, 1775 [both names are currently placed in the genus *Promachus*]. This replacement name is proposed due to the secondary homonymy. This replacement name is given after the name of the region where the taxon found. Range: New Holland.<sup>27</sup>

***Promachus zimbabweus* (nom. nov.)** pro *Promachus apicalis* Adams, 1905 nec *Trupanea apicalis* Macquart, 1838 [both names are currently placed in the genus *Promachus*]. This replacement name is given after the name of the country where the taxon found. Range: Zimbabwe.

***Tolmerus muhabbet* (nom. nov.)** pro *Asilus fuscus* Macquart, 1839 nec *Asilus fuscus* Wiedemann, 1828. This replacement name is proposed due to the primary homonymy. This replacement name is dedicated to the second author who has great interest to the Asilidae. Range: Europe, Turkey, Central Asia.

***Cerditus lehri* (nom. nov.)** pro *Cerditus australis* Lehr, 1967 nec *Asilus australis* Macquart, 1847 [currently placed in the genus *Cerditus*]. This replacement name is dedicated to the author of the preoccupied name. Range: Central Asia.

***Heligmonevra tropicana* (nom. nov.)** pro *Heligmonevra laevis* Engel, 1927 nec *Asilus laevis* Walker, 1861 [currently placed in the genus *Heligmonevra*]. This replacement name is proposed due to the secondary homonymy. This replacement name is given after the name of the zoogeographical zone where the taxon found. Range: Central Africa: Zaire, Malawi, Namibia.<sup>28</sup>

***Machimus lehri* (nom. nov.)** pro *Machimus asiaticus* Lehr, 1999 nec *Tolmerus asiaticus* Becker, 1925 [both names currently placed in the genus *Machimus*]. This replacement name is proposed due to the

<sup>23</sup> <http://www.geller-grimm.de/asilidae.htm>

<sup>24</sup> <http://hbs.bishopmuseum.org/aocat/asilidae.html>

<sup>25</sup> Londt, 2007, Catalogue of the Afrotropical Asilidae as pdf file. <http://www.geller-grimm.de/londt/afro.htm> [accessed 5 December, 2008]

<sup>26</sup> <http://hbs.bishopmuseum.org/aocat/asilidae.html>

<sup>27</sup> <http://hbs.bishopmuseum.org/aocat/asilidae.html>

<sup>28</sup> Londt, 2007, Catalogue of the Afrotropical Asilidae as pdf file. <http://www.geller-grimm.de/londt/afro.htm> [accessed 5 December, 2008]

secondary homonymy. This replacement name is dedicated to the author of the preoccupied name. Range: Russia.

***Machimus nearcticus* (nom. nov.)** pro *Asilus occidentalis* Hine, 1909 nec *Asilus occidentalis* Philippi, 1865 [both names currently placed in the genus *Machimus*]. This replacement name is proposed due to the primary homonymy. This replacement name is given after the name of the zoogeographical region where the taxon found. Range: U.S.A., Mexico.<sup>29</sup>

***Proctacanthella cesa* (nom. nov.)** pro *Asilus leucopogon* Williston, 1893 nec *Asilus leucopogon* Wiedemann, 1828. This replacement name is proposed due to the primary homonymy, and it is given after the abbreviated name of our Institution. Range: U.S.A., Mexico.<sup>30, 31</sup>

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<sup>29</sup> <http://www.nearctica.com/nomina/diptera/dipa.htm#anchor416554>

<sup>30</sup> <http://www.windsofkansas.com/Basilidae/ksasilid.html>

<sup>31</sup> <http://www.nearctica.com/nomina/diptera/dipa.htm#anchor416554>

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